

N. Davis

ENTERED



1600

## RAW SEQUENCE LISTING

DATE: 05/17/2002

PATENT APPLICATION: US/09/730,379E

TIME: 14:15:15

Input Set : A:\EP.txt

Output Set: N:\CRF3\05172002\I730379E.raw

3 <110> APPLICANT: Cornell Research Foundation, Inc.

5 <120> TITLE OF INVENTION: THROMBOSPONDIN-BINDING REGION OF HISTIDINE-RICH GLYCOPROTEIN  
AND METHODS

6 OF USE

8 <130> FILE REFERENCE: Docket 955-7P/CON

10 <140> CURRENT APPLICATION NUMBER: 09/730,379E

11 <141> CURRENT FILING DATE: 2000-12-05

13 <150> PRIOR APPLICATION NUMBER: US 60/169,205

14 <151> PRIOR FILING DATE: 1999-12-06

16 <160> NUMBER OF SEQ ID NOS: 13

18 <170> SOFTWARE: PatentIn version 3.1

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 75

22 <212> TYPE: PRT

23 <213> ORGANISM: Homo sapiens

25 <300> PUBLICATION INFORMATION:

26 <301> AUTHORS: Koide,T., Foster,D., Yoshitake,S. and Davie,E.W.

27 <302> TITLE: Amino acid sequence of human histidine-rich glycoprotein derived from the  
nucleotide sequence of its cDNA

28

29 <303> JOURNAL: Biochemistry

30 <304> VOLUME: 25

31 <305> ISSUE: 8

32 <306> PAGES: 2220-2225

33 <307> DATE: 1986-04-22

34 <308> DATABASE ACCESSION NO: GenBank/P04196

35 <309> DATABASE ENTRY DATE: 1987-03-20

37 <400> SEQUENCE: 1

39 Gly Pro Arg Pro Phe His Cys Arg Gln Ile Gly Ser Val Tyr Arg Leu

40 1 5 10 15

43 Pro Pro Leu Arg Lys Gly Glu Val Leu Pro Leu Pro Glu Ala Asn Phe

44 20 25 30

47 Pro Ser Phe Pro Leu Pro His His Lys His Pro Leu Lys Pro Asp Asn

48 35 40 45

51 Gln Pro Phe Pro Gln Ser Val Ser Glu Ser Cys Pro Gly Lys Phe Lys

52 50 55 60

55 Ser Gly Phe Pro Gln Val Ser Met Phe Phe Thr

56 65 70 75

59 <210> SEQ ID NO: 2

60 <211> LENGTH: 58

61 <212> TYPE: PRT

62 <213> ORGANISM: Homo sapiens

64 <300> PUBLICATION INFORMATION:

65 <301> AUTHORS: Koide,T., Foster,D., Yoshitake,S. and Davie,E.W.

66 <302> TITLE: Amino acid sequence of human histidine-rich glycoprotein derived from the

## RAW SEQUENCE LISTING

DATE: 05/17/2002

PATENT APPLICATION: US/09/730,379E

TIME: 14:15:15

Input Set : A:\EP.txt

Output Set: N:\CRF3\05172002\I730379E.raw

67 nucleotide sequence of its cDNA

68 &lt;303&gt; JOURNAL: Biochemistry

69 &lt;304&gt; VOLUME: 25

70 &lt;305&gt; ISSUE: 8

71 &lt;306&gt; PAGES: 2220-2225

72 &lt;307&gt; DATE: 1986-04-22

73 &lt;308&gt; DATABASE ACCESSION NO: GenBank/P04196

74 &lt;309&gt; DATABASE ENTRY DATE: 1987-03-20

76 &lt;400&gt; SEQUENCE: 2

78 Ala Ser Phe Arg Val Asp Arg Ile Glu Arg Val Ala Arg Val Arg Gly

79 1 5 10 15

82 Gly Glu Gly Thr Tyr Phe Val Asp Phe Ser Val Arg Asn Cys Pro Arg

83 20 25 30

86 His His Phe Pro Arg His Pro Asn Val Phe Gly Phe Cys Arg Ala Asp

87 35 40 45

90 Leu Phe Tyr Asp Val Glu Ala Leu Asp Leu

91 50 55

94 &lt;210&gt; SEQ ID NO: 3

95 &lt;211&gt; LENGTH: 9

96 &lt;212&gt; TYPE: PRT

97 &lt;213&gt; ORGANISM: Homo sapiens

99 &lt;300&gt; PUBLICATION INFORMATION:

100 &lt;301&gt; AUTHORS: Koide,T., Foster,D., Yoshitake,S. and Davie,E.W.

101 <302> TITLE: Amino acid sequence of human histidine-rich glycoprotein derived from  
the

102 nucleotide sequence of its cDNA

103 &lt;303&gt; JOURNAL: Biochemistry

104 &lt;304&gt; VOLUME: 25

105 &lt;305&gt; ISSUE: 8

106 &lt;306&gt; PAGES: 2220-2225

107 &lt;307&gt; DATE: 1986-04-22

108 &lt;308&gt; DATABASE ACCESSION NO: GenBank/P04196

109 &lt;309&gt; DATABASE ENTRY DATE: 1987-03-20

111 &lt;400&gt; SEQUENCE: 3

113 Gly Pro Arg Pro Phe His Cys Arg Gln

114 1 5

117 &lt;210&gt; SEQ ID NO: 4

118 &lt;211&gt; LENGTH: 29

119 &lt;212&gt; TYPE: PRT

120 &lt;213&gt; ORGANISM: Homo sapiens

122 &lt;300&gt; PUBLICATION INFORMATION:

123 &lt;301&gt; AUTHORS: Koide,T., Foster,D., Yoshitake,S. and Davie,E.W.

124 <302> TITLE: Amino acid sequence of human histidine-rich glycoprotein derived from  
the

125 nucleotide sequence of its cDNA

126 &lt;303&gt; JOURNAL: Biochemistry

127 &lt;304&gt; VOLUME: 25

128 &lt;305&gt; ISSUE: 8

129 &lt;306&gt; PAGES: 2220-2225

130 &lt;307&gt; DATE: 1986-04-22

131 &lt;308&gt; DATABASE ACCESSION NO: GenBank/04196

## RAW SEQUENCE LISTING

DATE: 05/17/2002

PATENT APPLICATION: US/09/730,379E

TIME: 14:15:15

Input Set : A:\EP.txt

Output Set: N:\CRF3\05172002\I730379E.raw

132 &lt;309&gt; DATABASE ENTRY DATE: 1987-03-20

134 &lt;400&gt; SEQUENCE: 4

136 Ile Gly Ser Val Tyr Arg Leu Pro Pro Leu Arg Lys Gly Glu Val Leu

137 1 5 10 15

140 Pro Leu Pro Glu Ala Asn Phe Pro Ser Phe Pro Leu Pro

141 20 25

144 &lt;210&gt; SEQ ID NO: 5

145 &lt;211&gt; LENGTH: 29

146 &lt;212&gt; TYPE: PRT

147 &lt;213&gt; ORGANISM: Homo sapiens

149 &lt;300&gt; PUBLICATION INFORMATION:

150 &lt;301&gt; AUTHORS: Koide,T., Foster,D., Yoshitake,S. and Davie,E.W.

151 &lt;302&gt; TITLE: Amino acid sequence of human histidine-rich glycoprotein derived from

the

152 nucleotide sequence of its cDNA

153 &lt;303&gt; JOURNAL: Biochemistry

154 &lt;304&gt; VOLUME: 25

155 &lt;305&gt; ISSUE: 8

156 &lt;306&gt; PAGES: 2220-2225

157 &lt;307&gt; DATE: 1986-04-22

158 &lt;308&gt; DATABASE ACCESSION NO: GenBank/P04196

159 &lt;309&gt; DATABASE ENTRY DATE: 1987-03-20

161 &lt;400&gt; SEQUENCE: 5

163 Asp Asn Gln Pro Phe Pro Gln Ser Val Ser Glu Ser Cys Pro Gly Lys

164 1 5 10 15

167 Phe Lys Ser Gly Phe Pro Gln Val Ser Met Phe Phe Thr

168 20 25

171 &lt;210&gt; SEQ ID NO: 6

172 &lt;211&gt; LENGTH: 7

173 &lt;212&gt; TYPE: PRT

174 &lt;213&gt; ORGANISM: Homo sapiens

176 &lt;300&gt; PUBLICATION INFORMATION:

177 &lt;301&gt; AUTHORS: Koide,T., Foster,D., Yoshitake,S. and Davie,E.W.

178 &lt;302&gt; TITLE: Amino acid sequence of human histidine-rich glycoprotein derived from

the

179 nucleotide sequence of its cDNA

180 &lt;303&gt; JOURNAL: Biochemistry

181 &lt;304&gt; VOLUME: 25

182 &lt;305&gt; ISSUE: 8

183 &lt;306&gt; PAGES: 2220-2225

184 &lt;307&gt; DATE: 1986-04-22

185 &lt;308&gt; DATABASE ACCESSION NO: GenBank/P04196

186 &lt;309&gt; DATABASE ENTRY DATE: 1987-03-20

188 &lt;400&gt; SEQUENCE: 6

190 Ala Ser Phe Arg Val Asp Arg

191 1 5

194 &lt;210&gt; SEQ ID NO: 7

195 &lt;211&gt; LENGTH: 21

196 &lt;212&gt; TYPE: PRT

197 &lt;213&gt; ORGANISM: Homo sapiens

199 &lt;300&gt; PUBLICATION INFORMATION:

## RAW SEQUENCE LISTING

DATE: 05/17/2002

PATENT APPLICATION: US/09/730,379E

TIME: 14:15:15

Input Set : A:\EP.txt

Output Set: N:\CRF3\05172002\I730379E.raw

200 <301> AUTHORS: Koide,T., Foster,D., Yoshitake,S. and Davie,E.W.  
the 201 <302> TITLE: Amino acid sequence of human histidine-rich glycoprotein derived from  
202 nucleotide sequence of its cDNA  
203 <303> JOURNAL: Biochemistry  
204 <304> VOLUME: 25  
205 <305> ISSUE: 8  
206 <306> PAGES: 2220-2225  
207 <307> DATE: 1986-04-22  
208 <308> DATABASE ACCESSION NO: GenBank/P04196  
209 <309> DATABASE ENTRY DATE: 1987-03-20  
211 <400> SEQUENCE: 7  
213 Ile Glu Arg Val Ala Arg Val Arg Gly Gly Glu Gly Thr Tyr Phe Val  
214 1 5 10 15  
217 Asp Phe Ser Val Arg  
218 20  
221 <210> SEQ ID NO: 8  
222 <211> LENGTH: 30  
223 <212> TYPE: PRT  
224 <213> ORGANISM: Homo sapiens  
226 <300> PUBLICATION INFORMATION:  
227 <301> AUTHORS: Koide,T., Foster,D., Yoshitake,S. and Davie,E.W.  
the 228 <302> TITLE: Amino acid sequence of human histidine-rich glycoprotein derived from  
229 nucleotide sequence of its cDNA  
230 <303> JOURNAL: Biochemistry  
231 <304> VOLUME: 25  
232 <305> ISSUE: 8  
233 <306> PAGES: 2220-2225  
234 <307> DATE: 1986-04-22  
235 <308> DATABASE ACCESSION NO: GenBank/P04196  
236 <309> DATABASE ENTRY DATE: 1987-03-20  
238 <400> SEQUENCE: 8  
240 Asn Cys Pro Arg His His Phe Pro Arg His Pro Asn Val Phe Gly Phe  
241 1 5 10 15  
244 Cys Arg Ala Asp Leu Phe Tyr Asp Val Glu Ala Leu Asp Leu  
245 20 25 30  
248 <210> SEQ ID NO: 9  
249 <211> LENGTH: 38  
250 <212> TYPE: PRT  
251 <213> ORGANISM: Homo sapiens  
253 <300> PUBLICATION INFORMATION:  
254 <301> AUTHORS: Koide,T., Foster,D., Yoshitake,S. and Davie,E.W.  
the 255 <302> TITLE: Amino acid sequence of human histidine-rich glycoprotein derived from  
256 nucleotide sequence of its cDNA  
257 <303> JOURNAL: Biochemistry  
258 <304> VOLUME: 25  
259 <305> ISSUE: 8  
260 <306> PAGES: 2220-2225  
261 <307> DATE: 1986-04-22  
262 <308> DATABASE ACCESSION NO: GenBank/P04196

## RAW SEQUENCE LISTING

DATE: 05/17/2002

PATENT APPLICATION: US/09/730,379E

TIME: 14:15:15

Input Set : A:\EP.txt

Output Set: N:\CRF3\05172002\I730379E.raw

263 &lt;309&gt; DATABASE ENTRY DATE: 1987-03-20

265 &lt;400&gt; SEQUENCE: 9

267 Gly Pro Arg Pro Phe His Cys Arg Gln Ile Gly Ser Val Tyr Arg Leu

268 1 5 10 15

271 Pro Pro Leu Arg Lys Gly Glu Val Leu Pro Leu Pro Glu Ala Asn Phe

272 20 25 30

275 Pro Ser Phe Pro Leu Pro

276 35

279 &lt;210&gt; SEQ ID NO: 10

280 &lt;211&gt; LENGTH: 28

281 &lt;212&gt; TYPE: PRT

282 &lt;213&gt; ORGANISM: Homo sapiens

284 &lt;300&gt; PUBLICATION INFORMATION:

285 &lt;301&gt; AUTHORS: Koide,T., Foster,D., Yoshitake,S. and Davie,E.W.

286 &lt;302&gt; TITLE: Amino acid sequence of human histidine-rich glycoprotein derived from

the

287 nucleotide sequence of its cDNA

288 &lt;303&gt; JOURNAL: Biochemistry

289 &lt;304&gt; VOLUME: 25

290 &lt;305&gt; ISSUE: 8

291 &lt;306&gt; PAGES: 2220-2225

292 &lt;307&gt; DATE: 1986-04-22

293 &lt;308&gt; DATABASE ACCESSION NO: GenBank/P04196

294 &lt;309&gt; DATABASE ENTRY DATE: 1987-03-20

296 &lt;400&gt; SEQUENCE: 10

298 Ala Ser Phe Arg Val Asp Arg Ile Glu Arg Val Ala Arg Val Arg Gly

299 1 5 10 15

302 Gly Glu Gly Thr Tyr Phe Val Asp Phe Ser Val Arg

303 20 25

306 &lt;210&gt; SEQ ID NO: 11

307 &lt;211&gt; LENGTH: 51

308 &lt;212&gt; TYPE: PRT

309 &lt;213&gt; ORGANISM: Homo sapiens

311 &lt;300&gt; PUBLICATION INFORMATION:

312 &lt;301&gt; AUTHORS: Koide,T., Foster,D., Yoshitake,S. and Davie,E.W.

313 &lt;302&gt; TITLE: Amino acid sequence of human histidine-rich glycoprotein derived from

the

314 nucleotide sequence of its cDNA

315 &lt;303&gt; JOURNAL: Biochemistry

316 &lt;304&gt; VOLUME: 25

317 &lt;305&gt; ISSUE: 8

318 &lt;306&gt; PAGES: 2220-2225

319 &lt;307&gt; DATE: 1986-04-22

320 &lt;308&gt; DATABASE ACCESSION NO: GenBank/P04196

321 &lt;309&gt; DATABASE ENTRY DATE: 1987-03-20

323 &lt;400&gt; SEQUENCE: 11

325 Ile Glu Arg Val Ala Arg Val Arg Gly Gly Glu Gly Thr Tyr Phe Val

326 1 5 10 15

329 Asp Phe Ser Val Arg Asn Cys Pro Arg His His Phe Pro Arg His Pro

330 20 25 30

333 Asn Val Phe Gly Phe Cys Arg Ala Asp Leu Phe Tyr Asp Val Glu Ala

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 05/17/2002  
PATENT APPLICATION: US/09/730,379E      TIME: 14:15:16

Input Set : A:\EP.txt  
Output Set: N:\CRF3\05172002\I730379E.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5,27  
Seq#:2; Line(s) 66  
Seq#:3; Line(s) 101  
Seq#:4; Line(s) 124  
Seq#:5; Line(s) 151  
Seq#:6; Line(s) 178  
Seq#:7; Line(s) 201  
Seq#:8; Line(s) 228  
Seq#:9; Line(s) 255  
Seq#:10; Line(s) 286  
Seq#:11; Line(s) 313  
Seq#:12; Line(s) 348  
Seq#:13; Line(s) 383

VERIFICATION SUMMARY

DATE: 05/17/2002

PATENT APPLICATION: US/09/730,379E

TIME: 14:15:16

Input Set : A:\EP.txt

Output Set: N:\CRF3\05172002\I730379E.raw